







Slime Learn all about oozy, gooey, wonderful slime.

Foggy Fores t A foggy forest is nothing to fear.

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BIG BROWN BAT photo by Noppadol Paothong



Visit www.xplormo.org for cool videos, sounds, photos, fun facts and more!



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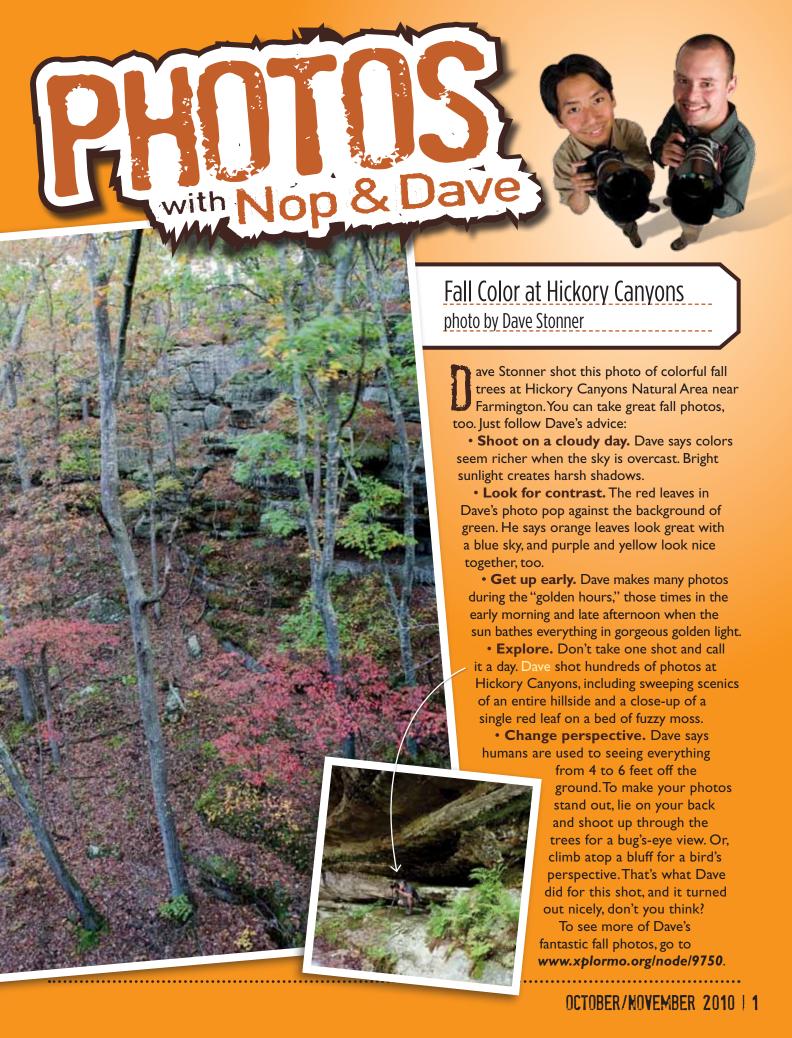
Kipp Woods

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We recycle. You can, too! Share Xplor with friends.





ith birds migrating south, leaves changing color and hunting seasons gearing up, there's plenty for you to discover in October and November. Here are a few ideas to get you started.

Recycle some pumpkin guts.

What should you do with the leftover seeds from your jack-o'-lantern? You could roast them for a tasty treat or save them to plant in the spring. Or, you could turn them into a feast for hungry birds. To satisfy fall birds' needs for seeds—and coax them closer to your window for viewing—stock your feeder with pumpkin innards. Once the

pumpkin guts are gobbled up, restock your feeder with sunflower, millet and thistle seeds. If you're feederless, head to www.xplormo.org/node/2901 to learn how to make one.

Harvest time!

This Thanksgiving, get Pawpaws your goodies the way Pilgrims and Native Americans did it—by hunting and gathering. October and November are perfect months to scour the woods for pawpaws, pecans and edible fall mushrooms. (Some berries and mushrooms are poisonous. Check with an adult before eating anything you find in the woods.) Many hunting seasons, including those for rabbits, deer and waterfowl, open in the fall, too. For tips on identifying wild edibles, hunting season information and some lip-smacking recipes, check out www.xplormo.org/node/9738.





Forget "leaves of three, let it be."
Although poison ivy has leaflets in groups of three, so do many harmless plants. The best way to separate the safe from the irritating is to keep your eyes peeled this fall. Poison ivy turns bright red while most plants are still green. Find an early-turning vine or shrub—poison ivy comes in both forms—and look but don't touch! Use the identification tips at www.mdc.mo.gov/node/4686 to see if you've found Missouri's most irritating plant.

How do bats catch insects in the dark?
They "see" with their ears. As they fly, bats send out high-pitched squeaks. By listening to the squeaks echo off objects, bats create a mental image of their surroundings. To see this process, called echolocation (ek-o-lo-kay-shun), gently toss a pebble in front of a fluttering bat. The bat will swoop down to investigate. Once it figures out the pebble isn't a tasty moth, the bat will angle up to continue hunting.

Attend an ART SHOW!

Before winter's whiteness drifts in, Missouri's trees paint our state with a dazzling palette of color. The Show-Me State hits its showiest in mid-October when oaks and hickories reach their peak. Take a hike to collect a leaf of every color in the rainbow or grab an adult and head off on a fall-color road trip. For weekly color reports and a map of Missouri's leafiest routes, visit www.xplormo.org/node/9739.

Hunt for hidden TREASURE.

Ahoy there matey! Geocaching (jee-o-cashing) is an activity in which a treasure hunter uses an electronic gadget called a GPS to find trinket-filled hidden containers.

Visit www.geocaching.com

to get the location of a container near you.

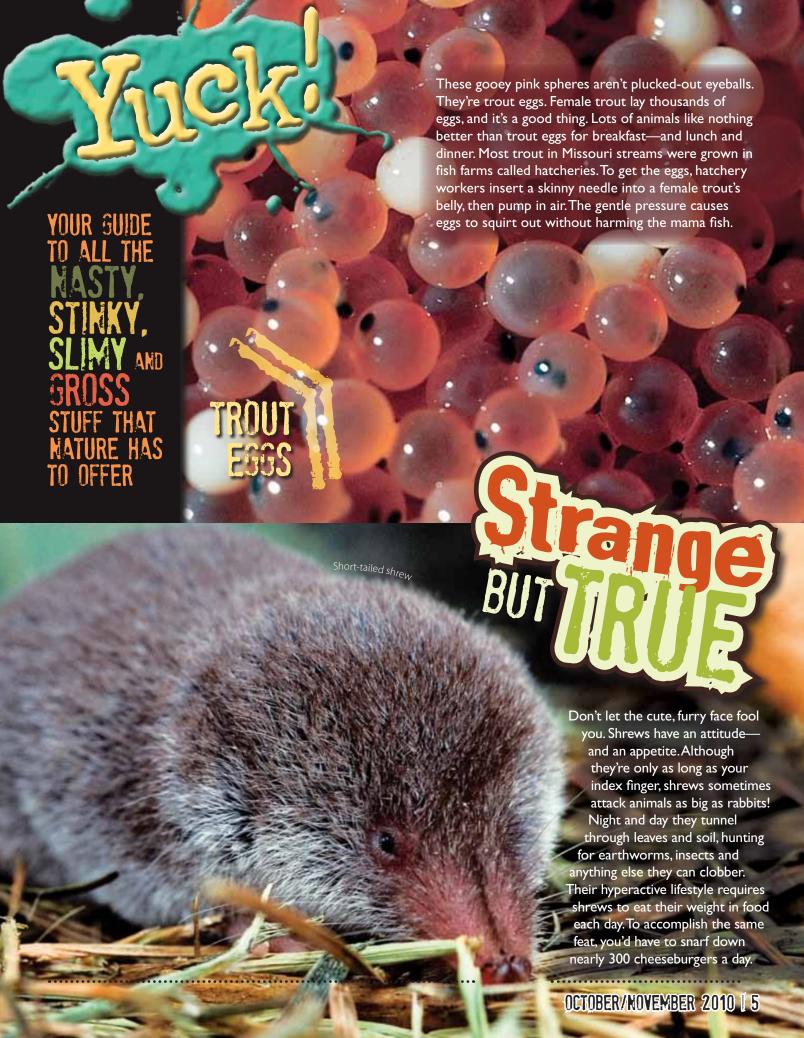
Before you strike off to search for hidden booty, load a daypack with water, snacks and a compass—eyepatches and parrots are optional. If you don't want to walk the plank, bring a trinket to exchange for

Looking for more ways to have fun outside? Find out about Discover Nature programs in your area at www.xplormo.org/xplor/stuff-do/all-events.

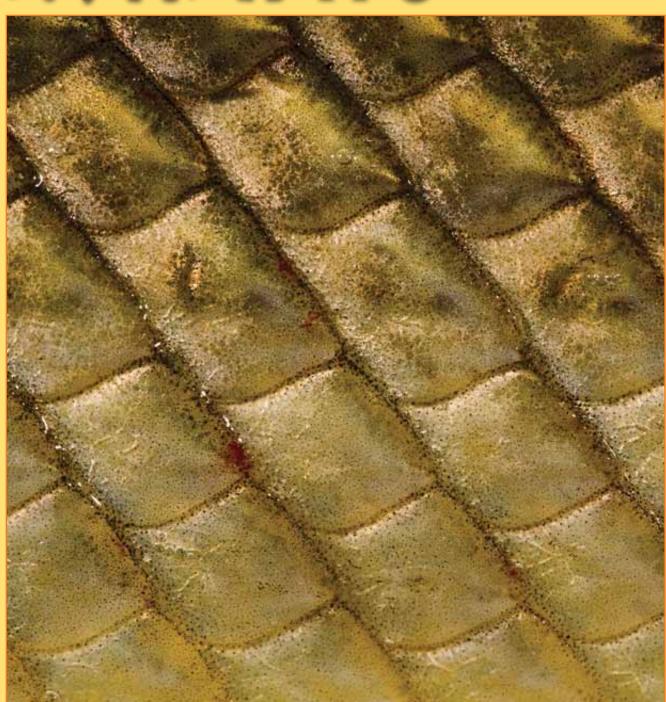
Maple

the one you take.

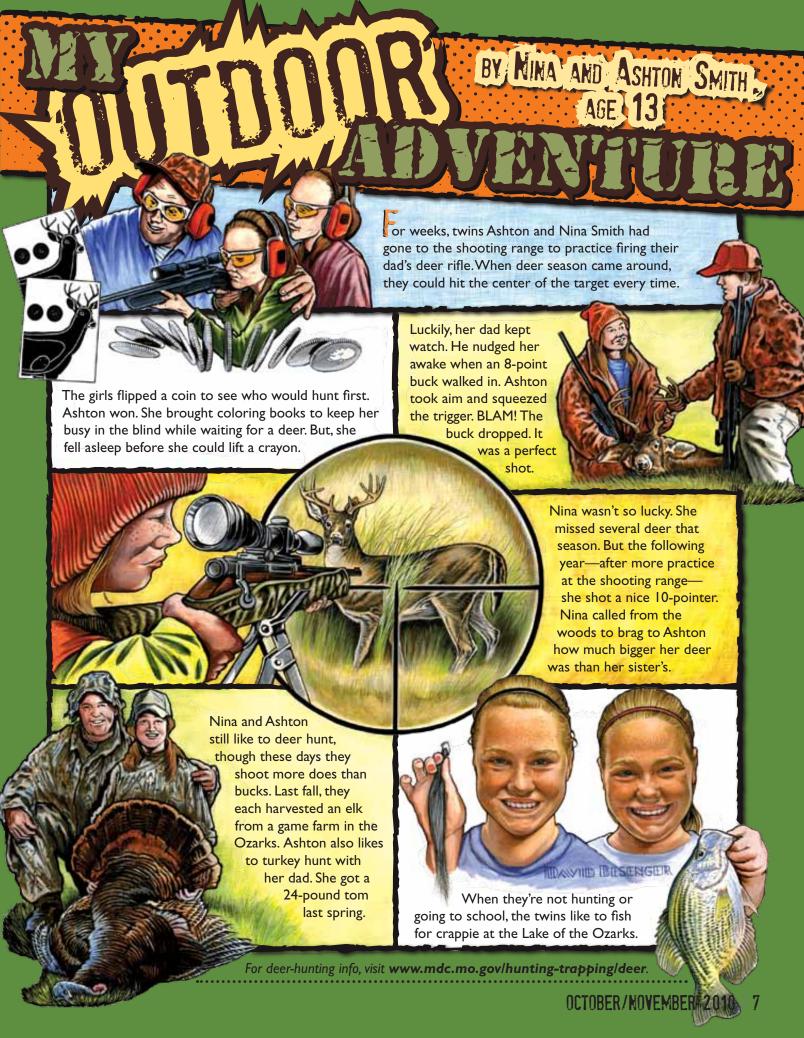




DON'T KNOW? Jump to Page 16 to find out.



I'm garbed in hard, bony scales. Hundreds of teeth garnish my mouth. I'm not garbage, though that's what some think. In tough times, I gargle air at the water's surface.

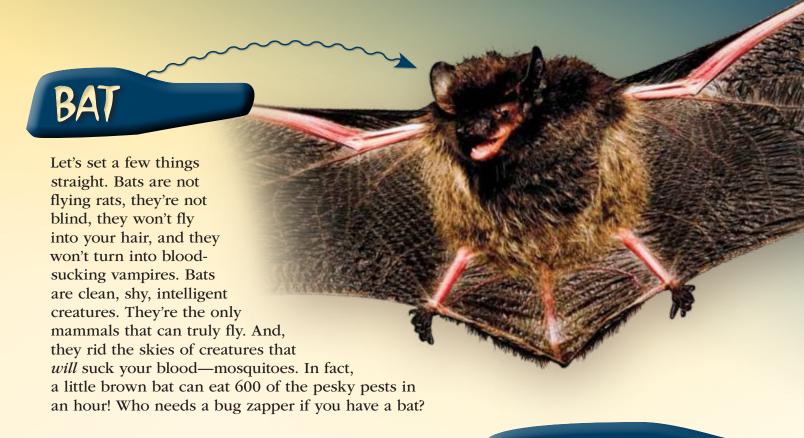




ome creatures make folks shriek "Eeek!" Maybe it's their hairraising appearance or the way they scurry, skitter or slither. Perhaps it's their bloodcurdling call or their fangs, stingers and teeth. Whatever it is that gives you goosebumps, it

helps to remember that each of these creepy-crawlies has an important job in nature, and most go about their business without us knowing they're around. Check out our ghoulish gathering of Missouri's creepiest critters—if you're brave enough.





TARANTULA

They're big. They're hairy. But, are they really scary? Missouri's largest spider looks ferocious, but it's actually quite shy and goes out of its way to avoid people. They prefer glades where they hide in silk-lined burrows until night falls. If you meet a tarantula, it's not their fangs but tiny barbed hairs on their tummy that might cause you problems. When threatened, tarantulas rear up on their back legs and flick the hairs like daggers. They irritate the skin, eyes and nose, helping the tarantula get away.

ALLIGATOR

Alligator gar are armed with a mouthful of razor-sharp teeth, bone-hard scales and camouflage that makes them look like a drifting log until they're well within biting range. Plus, they get freakishly big. Think of a fish about as long and as heavy as your couch, and you've imagined how big an alligator gar can get. But fear not. These toothy predators prefer fish sticks for dinner. There isn't a single case of an alligator gar attacking a person.

MOUSE

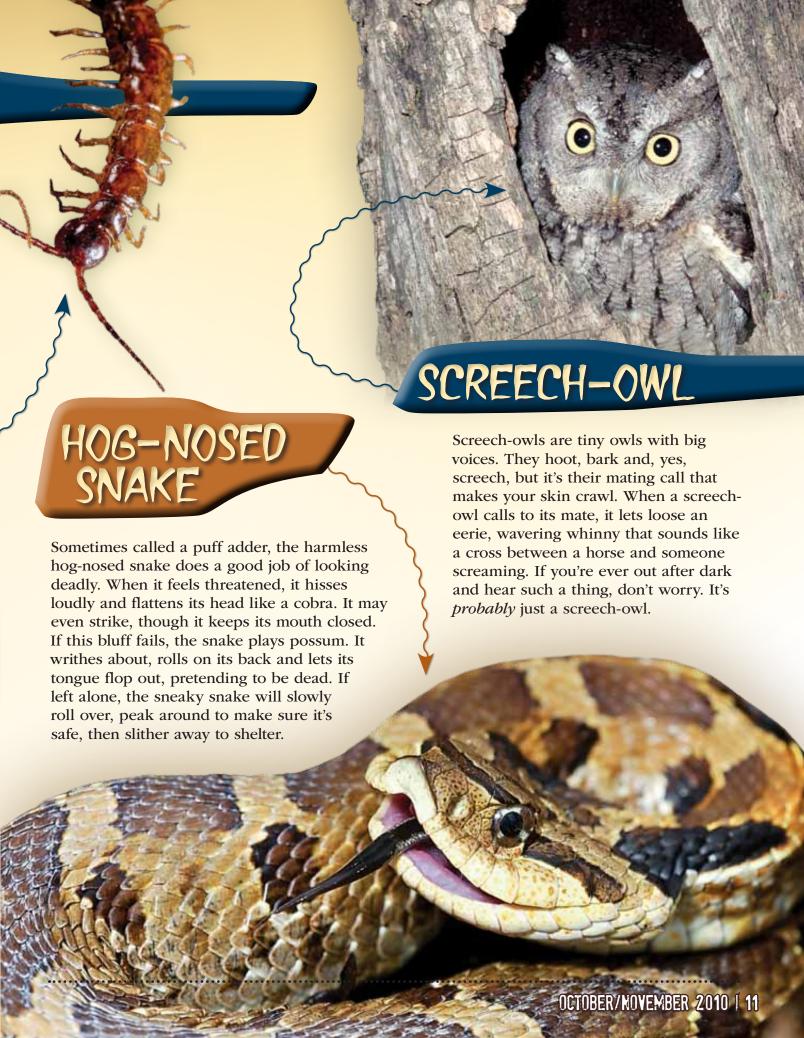
A mouse in the house sends some folks jumping on chairs. And, though they're rarely welcome in places where people live, mice play an important role in the wild—protein. All kinds of animals eat mice, including snakes, hawks, owls, weasels, coyotes, foxes, bobcats and even shrews. Mice taste so nice, without these little walking cheeseburgers, lots of other critters would go hungry.

CENTIPEDE

Although their name means "hundred feet," most centipedes have far fewer limbs. These distant relatives of lobsters, shrimp and crayfish prowl under rocks, rotten logs, soil and leaves looking for insects to eat. To subdue their prey, centipedes are armed with venom glands and a special pair of legs that act like fangs. Biologists claim these fanglegs are fairly weak, and can pierce human skin only sometimes.

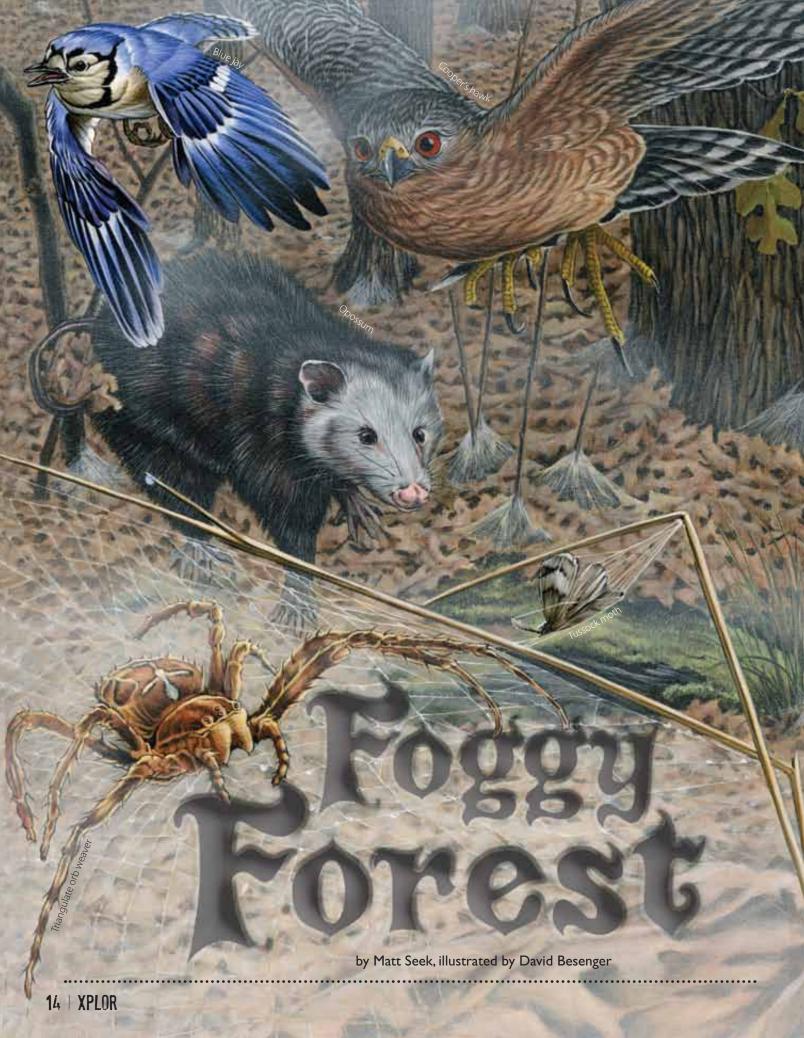
SCORPION

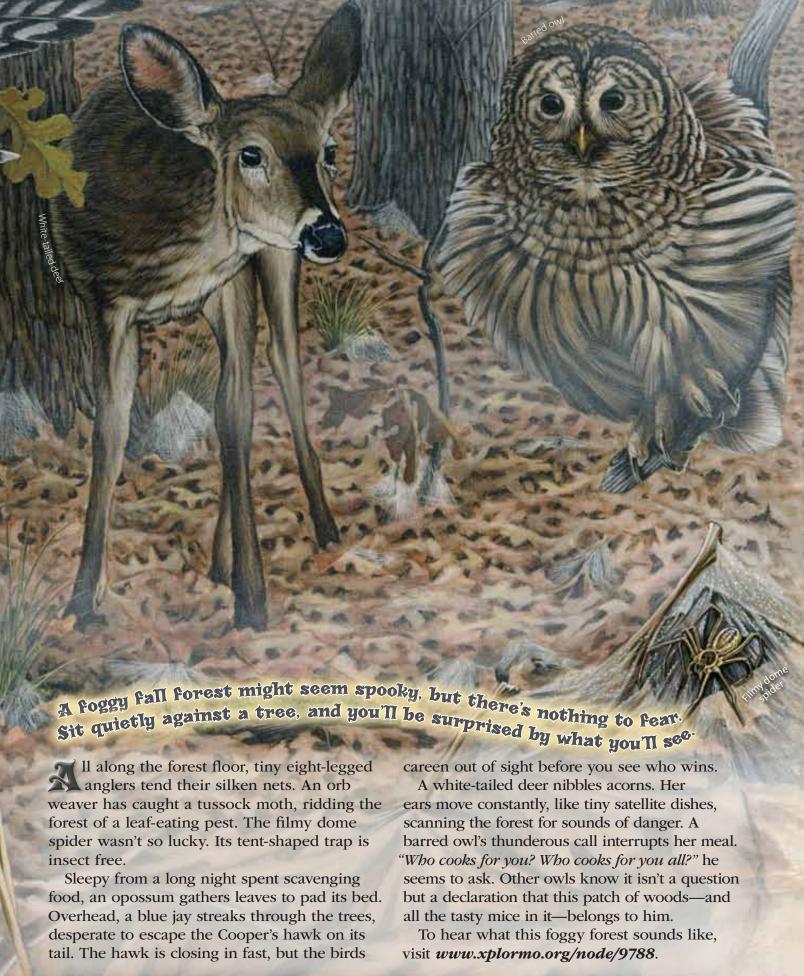
Striped scorpions seize prey with their plier-like pincers then stab it to death with their stinger-tipped tail. No wonder they creep folks out. Missouri's only native scorpion prefers glades with lots of loose rocks to hide under during the day. They crawl out at night to hunt insects, spiders, centipedes and other scorpions. If you find yourself wandering barefoot through a glade in the dark—are you crazy? take heart. This tiny scorpion's sting is no worse than a bee's.











MAKE A MILKWEED BRACELET

Not long ago, nature was a grocery store, pharmacy and hardware shop all rolled into one. If a Native American needed a string for his bow, he couldn't ride to the sporting goods store. He had to make it himself out of cordage. Cordage is rope or twine made from plant fibers. It's really useful stuff. You can use cordage to make fishing line, rig a snare, lash small trees together for a shelter or make a bracelet like the one shown below. Learn the basics here, then go to www.xplormo.org/node/9756 for detailed instructions.





Find some milkweed or dogba

Milkweed and dogbane grow in many places and make great cordage. Collect them in the fall, when their stems and leaves are dry and brown. Don't pull up their roots. Instead, snip them off at the stem, so the plants will regrow next spring.



Remove the fibers

Lay the stems on a hard surface. Step on them so they crack open. Gently peel off the stem's outer layer, and the fibers you'll need will separate from inside the stem. Sprinkle water on the fibers to make them easier to work with.

I. Hold a small bundle of fibers with your hands spaced two inches apart. Twist the fibers with one hand. 2. When the fibers get tight, bring your hands together, and a loop will form. 3. Hold the loop in one hand. Use your other hand to twist the strand of fibers farthest away. When that strand is tight, bring it toward you and over the closer strand. Repeat with the other strand. Continue until the cordage will fit around your wrist. 4. Tie an overhand knot so the cordage won't unravel. 5. Stick the knot through the loop.

Now you have a milkweed bracelet!

ANSWER TO

FROM PAGE 6

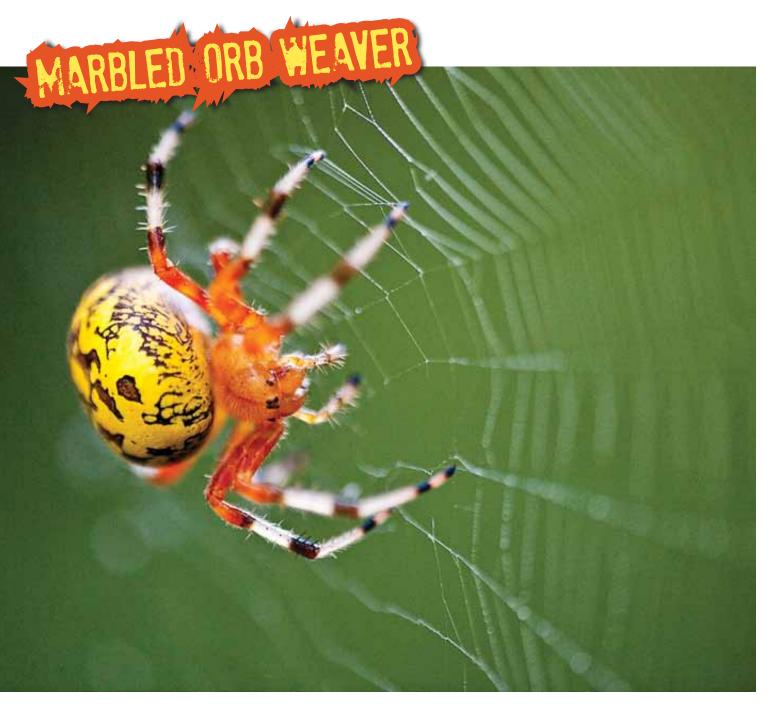
Longnose gar have skinny bodies protected by bony scales. Their long snouts are filled with teeth. Gar pretend to be a log until another fish swims by. CHOMP! Many anglers think gar eat too many fish. They call gar "trash fish." In fact, gar keep lakes from getting too crowded. If oxygen gets scarce underwater, gar gulp air at the surface. The largest longnose gar caught in Missouri stretched 5 feet long. Now that's gargantuan!



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FREE TO MISSOURI HOUSEHOLDS



Call me when dinner's ready. After this marbled orb weaver fixes its web, it will hide in a nearby tent made of leaves and silk. A signal thread connected to the web will vibrate when prey gets tangled, notifying the spider that dinner awaits.